

PART OF PAPER #4

Sheet 1 of 2

FORM PTO-1449
(MODIFIED)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

AAI-14157

SERIAL NO.

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APPLICANT(S)

Karl K. RINK et al.

FILING DATE

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JP97 U.S. PTO
10/085644



U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EC	AA	5,788,270	08/1998	HÅland et al.			
	AB	3,674,578	07/1972	Cattermole et al.			
	AC	3,765,964	10/1973	Wade			
	AD	4,104,092	08/1978	Mullay			
	AE	4,141,767	02/1979	Sudweeks et al.			
	AF	4,231,821	11/1980	Sudweeks et al.			
	AG	5,351,618	10/1994	Brent et al.			
	AH	5,747,730	05/1998	Scheffee et al.			
	AI	5,850,053	12/1998	Scheffee et al.			
✓	AJ	5,854,442	12/1998	Scheffee et al.			
EC	AK	5,997,666	12/1999	Wheatley			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EC	AR	Wang Xuguang: <u>EMULSION EXPLOSIVES</u> , Metallurgical Industry Press, Beijing, 4-9, 59-63, 99-119, 1994.
EC	AS	M. Held: <i>Experiments of Initiation of Covered, but Unconfined High Explosive Charges by means of Shaped Charge Jets, Propellants, Explosives, Pyrotechnics</i> 12, 35-40 (1987).
EC	AT	M. Held: <i>Experiments of Initiation of Covered, but Unconfined HE Charges under Different Test Conditions by Shaped Charge Jets, Propellants, Explosives, Pyrotechnics</i> 12, 97-100 (1987).

EXAMINER

ERIC CULBRETH

DATE CONSIDERED

11/2/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

USCOMM-DC 80-3985

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Sheet 2 of 2

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EC	AA	6,176,950	01/2001	Wood et al.	—	—	
	AB						
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	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EC	AR		M. Held: Discussion of the Experimental Findings from the Initiation of Covered, but Unconfined High Explosive Charges with Shaped Charge Jets, Propellants, Explosives, Pyrotechnics 12, 167-174 (1987).
	AS		
	AT		

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Karl K. RINK et al.

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22 October 2001

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
EC	AA	5,028,070	07/1991	Bender			
	AB	5,660,803	08/1997	Brede et al.			
	AC	5,684,269	11/1997	Barnes et al.			
EC	AD	6,170,867	01/2001	Rink et al.			
	AE						
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